

CLAIMS

1. A resin composition comprising:

(A) a lactic acid based resin; and

5 (B) an aromatic aliphatic polyester having a glass transition temperature (T_g) of 0°C or less and a heat of crystal melting (ΔH_m) of 5 J/g to 30 J/g, and/or an aliphatic polyester other than the lactic acid based resin, having a glass transition temperature (T_g) of 0°C or less and a
10 heat of crystal melting (ΔH_m) of 5 J/g to 30 J/g, and

(B) the aromatic aliphatic polyester having a glass transition temperature (T_g) of 0°C or less and a heat of crystal melting (ΔH_m) of 5 J/g to 30 J/g, and/or the aliphatic polyester other than the lactic acid based resin, having
15 a glass transition temperature (T_g) of 0°C or less and a heat of crystal melting (ΔH_m) of 5 J/g to 30 J/g, has a content of 5 mass% to 25 mass%.

2. The resin composition according to claim 1, wherein

20 (a) the lactic acid based resin and (B) the aromatic aliphatic polyester having a glass transition temperature (T_g) of 0°C or less and a heat of crystal melting (ΔH_m) of 5 J/g to 30 J/g, and/or the aliphatic polyester other than the lactic acid based resin, having a glass transition temperature (T_g)
25 of 0°C or less and a heat of crystal melting (ΔH_m) of 5 J/g to 30 J/g are contained in an amount of 90 mass% to 70 mass%,

and (C) an aliphatic polyester other than the lactic acid based resin, having a glass transition temperature (T_g) of 0°C or less and a heat of crystal melting (ΔH_m) of 50 J/g to 70 J/g is contained in an amount of 10 to 30 mass%.

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3. The resin composition according to claim 1 or 2, further comprising (D) an inorganic filler having a mean particle size of 1 μm to 5 μm within a range of 5 mass% to 20 mass% of the resin composition.

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4. The resin composition according to any one of claims 1 to 3, further comprising 0.5 mass part to 10 mass parts of a carbodiimide compound based on a total of 100 mass parts of (A) the lactic acid based resin, (B) the aromatic aliphatic polyester having a glass transition temperature (T_g) of 0°C or less and a heat of crystal melting (ΔH_m) of 5 J/g to 30 J/g, and/or the aliphatic polyester other than the lactic acid based resin, having a glass transition temperature (T_g) of 0°C or less and a heat of crystal melting (ΔH_m) of 5 J/g to 30 J/g, and (C) the aliphatic polyester other than the lactic acid based resin, having a glass transition temperature (T_g) of 0°C or less and a heat of crystal melting (ΔH_m) of 50 J/g to 70 J/g.

25 5. The resin composition according to any one of claims 1 to 4, further comprising 0.5 mass part to 5 mass parts

of an ester compound having a molecular weight of 200 to 2,000 based on a total of 100 mass parts of (A) the lactic acidbased resin, (B) the aromatic aliphatic polyester having a glass transition temperature (T_g) of 0°C or less and a
5 heat of crystal melting (ΔH_m) of 5 J/g to 30 J/g, and/or the aliphatic polyester other than the lactic acid based resin, having a glass transition temperature (T_g) of 0°C or less and a heat of crystal melting (ΔH_m) of 5 J/g to 30 J/g, and (C) the aliphatic polyester other than the lactic
10 acidbased resin, having a glass transition temperature (T_g) of 0°C or less and a heat of crystal melting (ΔH_m) of 50 J/g to 70 J/g.

6. The resin composition according to any one of claims
15 1 to 5, further comprising 0.1 mass part to 5 mass parts of a hiding agent having a refractive index of 2.0 or more based on a total of 100 mass parts of (A) the lactic acid based resin, (B) the aromatic aliphatic polyester having a glass transition temperature (T_g) of 0°C or less and a
20 heat of crystal melting (ΔH_m) of 5 J/g to 30 J/g, and/or the aliphatic polyester other than the lactic acid based resin, having a glass transition temperature (T_g) of 0°C or less and a heat of crystal melting (ΔH_m) of 5 J/g to 30 J/g, and (C) the aliphatic polyester other than the lactic
25 acidbased resin, having a glass transition temperature (T_g) of 0°C or less and a heat of crystal melting (ΔH_m) of 50

J/g to 70 J/g.

7. A molded article formed by injection molding the resin composition according to any one of claims 1 to 6.

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8. The injection molded article according to claim 7, wherein the molded article formed by the injection molding is further crystallized at a temperature within a range of 60°C to 130°C.

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